Notes on unit testing

When performing unit testing on an application like sort-names I would be looking for input cases that would be outside what I would expect the app to deal with.

Case 1. Empty file. Filename: test1.txt

Reason: see how the app handles no input values.

Case 2. Text in format expected Filename test2.txt

Reason: see how the app handles what is expected. e.g.

BAKER, THEODORE

SMITH, ANDREW

KENT, MADISON

SMITH, FREDERICK

Case 3. Text In different format Filename: test3.txt

Reason: see how the app handles valid information presented differently to what is expected. e.g.

BAKER, THEODORE SMITH, ANDREW KENT, MADISON SMITH, FREDERICK

Note: I’m pretty sure my app as written would fail this test.

Case 4. Unexpected values Filename: test4.txt

Reason: see how the app deals with input values that are not strings e.g.

BAKER, 3

SMITH, ?

KENT, MADISON

45, FREDERICK

Note: my app would read the number values as strings, sort them and then save them to the output file. To catch these errors, you would need to test each value as it was read to see if it was a valid name, not a number or other character.